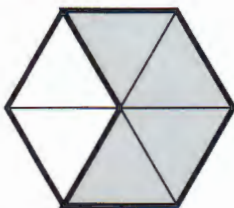


Comparing Fractions

Name: _____ Date: _____

Write the fractions for each pair of shapes. Write ">" in the circle if the one on the left is larger, and write "<" if the one on the right is larger.

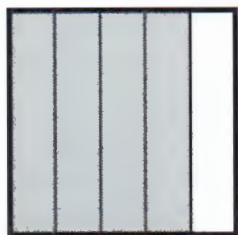
(1)



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(2)



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(3)



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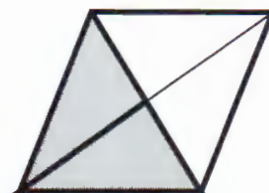
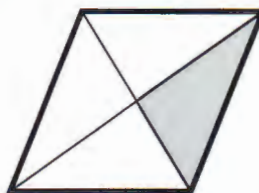
(4)



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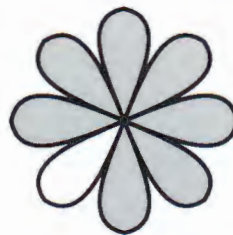
(5)



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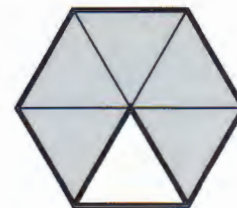
(6)



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(7)



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(8)



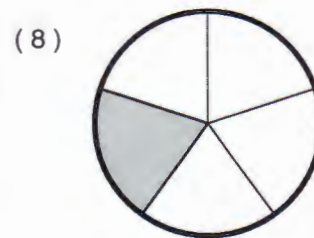
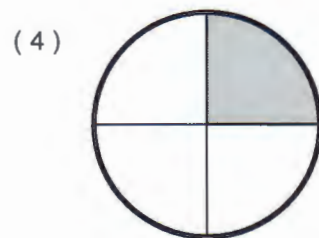
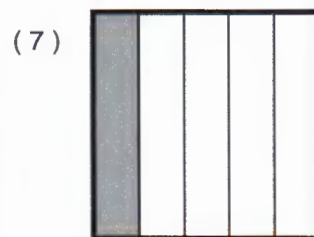
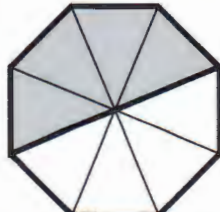
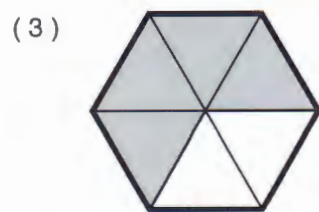
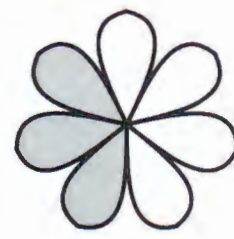
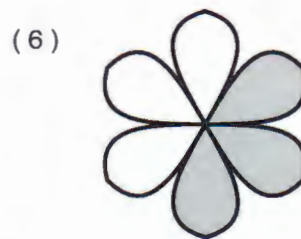
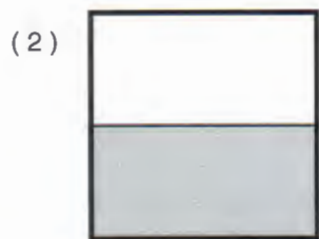
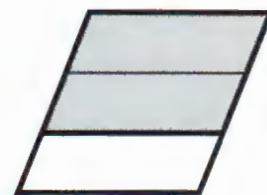
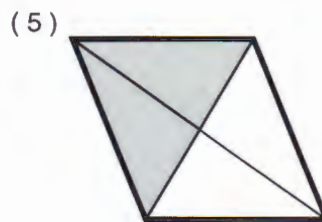
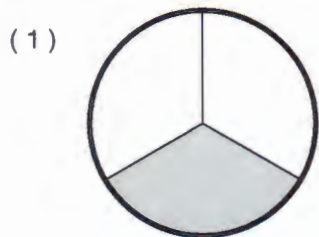
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Comparing Fractions

Name: _____ Date: _____

Write the fractions for each pair of shapes. Write ">" in the circle if the one on the left is larger, and write "<" if the one on the right is larger.



Comparing Fractions

Name: _____ Date: _____

For each of the pairs of fractions, indicate whether the one on the left is greater than (" $>$ ") or less than (" $<$ ") the one on the right.

(1) $\frac{6}{11} \square \frac{3}{11}$

(2) $\frac{4}{12} \square \frac{7}{12}$

(3) $\frac{5}{7} \square \frac{5}{18}$

(4) $\frac{3}{7} \square \frac{5}{7}$

(5) $\frac{1}{3} \square \frac{1}{4}$

(6) $\frac{12}{13} \square \frac{3}{13}$

(7) $\frac{13}{14} \square \frac{13}{17}$

(8) $\frac{2}{3} \square \frac{1}{3}$

(9) $\frac{1}{3} \square \frac{2}{3}$

(10) $\frac{5}{9} \square \frac{7}{9}$

(11) $\frac{1}{18} \square \frac{16}{18}$

(12) $\frac{2}{11} \square \frac{2}{14}$

(13) $\frac{7}{9} \square \frac{2}{9}$

(14) $\frac{17}{18} \square \frac{17}{20}$

(15) $\frac{17}{18} \square \frac{9}{18}$

(16) $\frac{2}{14} \square \frac{2}{13}$

(17) $\frac{9}{14} \square \frac{9}{19}$

(18) $\frac{16}{17} \square \frac{6}{17}$

(19) $\frac{6}{13} \square \frac{3}{13}$

(20) $\frac{2}{12} \square \frac{2}{4}$

(21) $\frac{10}{13} \square \frac{1}{13}$

(22) $\frac{2}{19} \square \frac{2}{18}$

(23) $\frac{4}{5} \square \frac{1}{5}$

(24) $\frac{1}{10} \square \frac{1}{3}$

(25) $\frac{5}{11} \square \frac{9}{11}$

(26) $\frac{2}{18} \square \frac{9}{18}$

(27) $\frac{3}{7} \square \frac{3}{9}$

(28) $\frac{4}{6} \square \frac{2}{6}$

(29) $\frac{8}{9} \square \frac{7}{9}$

(30) $\frac{3}{9} \square \frac{3}{7}$

(31) $\frac{4}{9} \square \frac{8}{9}$

(32) $\frac{3}{6} \square \frac{1}{6}$

(33) $\frac{11}{12} \square \frac{5}{12}$

(34) $\frac{2}{8} \square \frac{7}{8}$

(35) $\frac{2}{10} \square \frac{7}{10}$

(36) $\frac{1}{20} \square \frac{1}{3}$

(37) $\frac{4}{20} \square \frac{15}{20}$

(38) $\frac{1}{3} \square \frac{1}{10}$

(39) $\frac{2}{8} \square \frac{2}{11}$

(40) $\frac{11}{16} \square \frac{2}{16}$

(41) $\frac{2}{13} \square \frac{12}{13}$

(42) $\frac{3}{19} \square \frac{3}{6}$

(43) $\frac{3}{4} \square \frac{1}{4}$

(44) $\frac{3}{6} \square \frac{3}{7}$

(45) $\frac{6}{13} \square \frac{11}{13}$

Multi-Digit Multiplication

2 Digit by 1 Digit Numbers

Name: _____ Date: _____

$$\begin{array}{r} (1) \quad 98 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} (2) \quad 65 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} (3) \quad 91 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} (4) \quad 72 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} (5) \quad 63 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} (6) \quad 48 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} (7) \quad 26 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} (8) \quad 82 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} (9) \quad 97 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} (10) \quad 35 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} (11) \quad 72 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} (12) \quad 62 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} (13) \quad 58 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} (14) \quad 82 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} (15) \quad 94 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} (16) \quad 61 \\ \times 9 \\ \hline \end{array}$$

Solving Simple Binomials

Name: _____ Date: _____



Solve each equation.

(1) $x - 6 = 27$

(2) $x + 6 = 40$

(3) $36 + x = 54$

(4) $36 + x = 53$

(5) $29 + x = 63$

(6) $49 - x = 33$

(7) $34 - x = 9$

(8) $41 - x = 25$

(9) $x + 18 = 46$

(10) $39 + x = 86$

(11) $17 + x = 28$

(12) $46 + x = 90$

(13) $16 + x = 40$

(14) $21 + x = 58$

(15) $x - 22 = 20$

(16) $37 - x = 31$

(17) $x - 28 = 1$

(18) $24 - x = 7$

(19) $x - 9 = 40$

(20) $x - 35 = 11$

(21) $35 - x = 12$

(22) $x - 9 = 34$

(23) $x - 13 = 31$

(24) $x + 37 = 56$

Find The Multiplication Facts

Multiplication is the reverse of division.

Example: If the division sentence is $12 \div 6 = 2$,
Then the related multiplication facts are $6 \times 2 = 12$ and $2 \times 6 = 12$.

Look at these division sentences, and write down the two related multiplication facts.



$$10 \div 5 = 2$$

$$35 \div 7 = 5$$

$$96 \div 8 = 12$$

$$120 \div 12 = 10$$

$$44 \div 11 = 4$$

$$76 \div 2 = 38$$

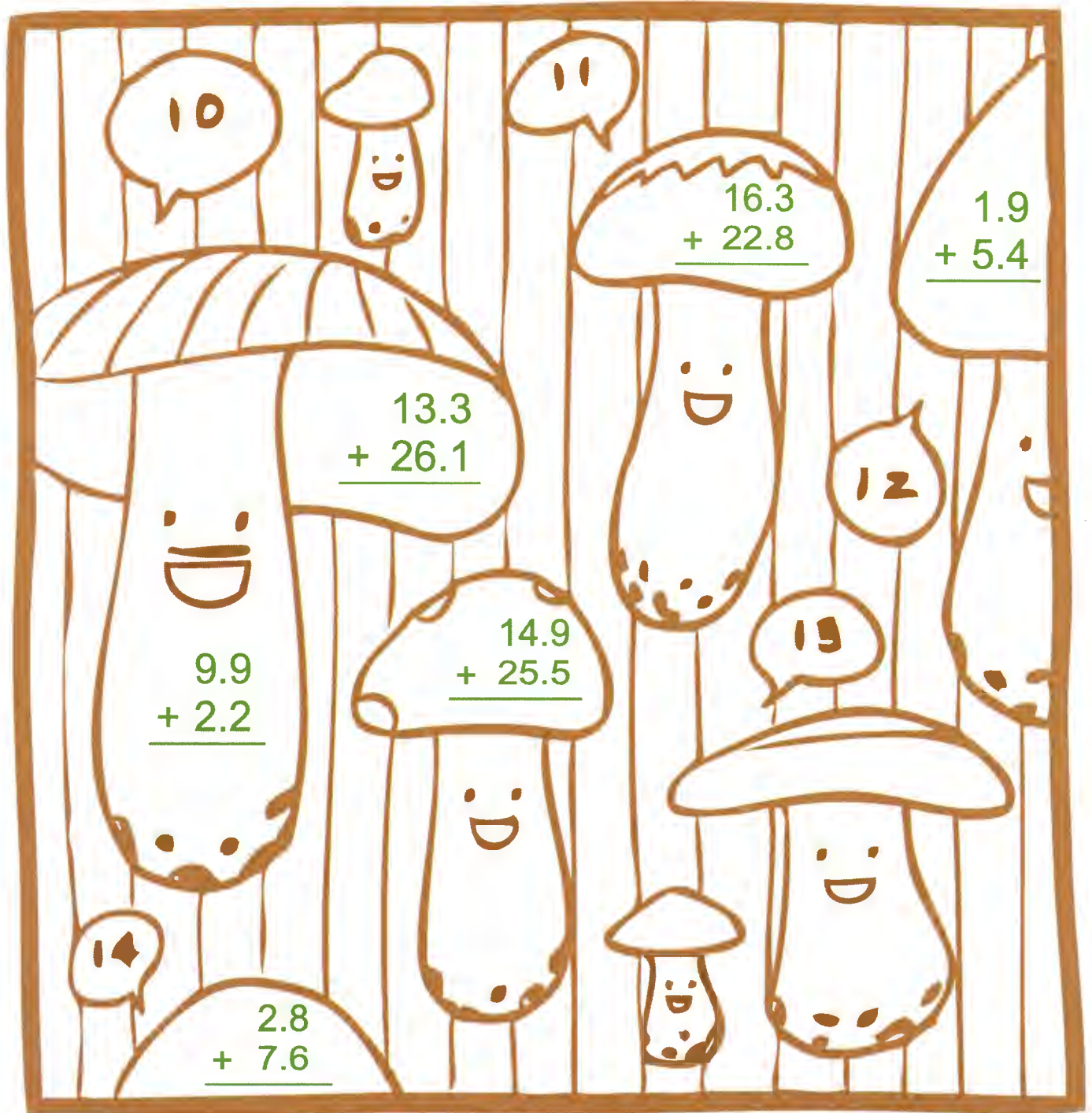
$$81 \div 9 = 9$$

$$75 \div 25 = 3$$

$$999 \div 3 = 333$$



Mushroom Math



Note: More worksheets at www.education.com/worksheets

Instructions:

Complete each math problem and color the page!

Example:

$$\frac{1}{6} + \frac{3}{6} = \frac{4}{6} \quad \begin{array}{c} \leftarrow \text{numerator} \\ \leftarrow \text{denominator} \end{array} \quad \frac{4}{6} - \frac{3}{6} = \frac{1}{6}$$

Adding and subtracting
fractions is easy when the
denominators are the same.



Add or subtract.

A. $\frac{2}{6} + \frac{4}{6} =$

$\frac{1}{5} + \frac{1}{5} =$

$\frac{4}{16} + \frac{7}{16} =$

B. $\frac{6}{10} + \frac{3}{10} =$

$\frac{1}{9} + \frac{6}{9} =$

$\frac{5}{8} + \frac{2}{8} =$

C. $\frac{5}{9} + \frac{1}{9} =$

$\frac{2}{7} + \frac{1}{7} =$

$\frac{2}{6} + \frac{3}{6} =$

D. $\frac{7}{10} - \frac{2}{10} =$

$\frac{3}{12} - \frac{1}{12} =$

$\frac{4}{9} - \frac{2}{9} =$

E. $\frac{5}{8} - \frac{3}{8} =$

$\frac{3}{5} - \frac{1}{5} =$

$\frac{6}{12} - \frac{5}{12} =$

F. $\frac{7}{16} - \frac{4}{16} =$

$\frac{5}{10} - \frac{3}{10} =$

$\frac{6}{14} - \frac{1}{14} =$

G. $\frac{4}{8} - \frac{2}{8} =$

$\frac{8}{15} - \frac{7}{15} =$

$\frac{9}{12} - \frac{2}{12} =$

Division Review (II)

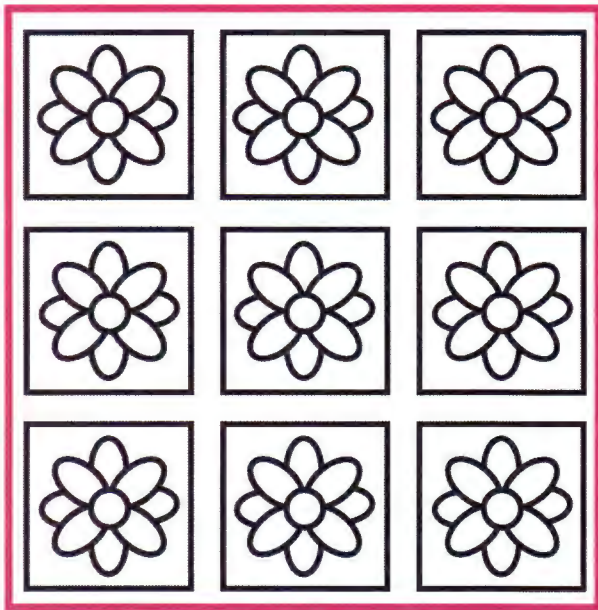
Name _____ Date _____

Read each problem. Then, write an equation to solve it.

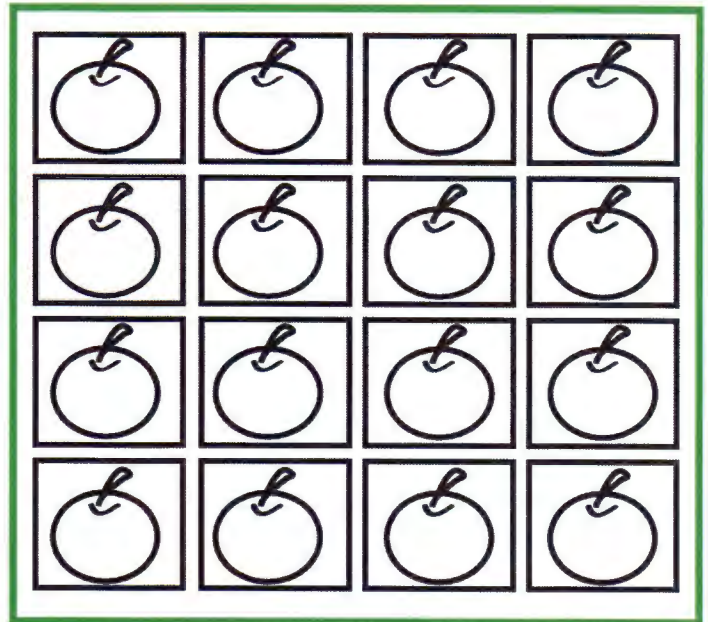
1. There are four paws per kitten and thirty-two paws in all. How many kittens are there?
☐ a) 6 ☐ b) 8 ☐ c) 9 ☐ d) 4
2. There are thirty puppy treats and six puppies. How many treats does each puppy get?
☐ a) 6 ☐ b) 8 ☐ c) 3 ☐ d) 5
3. There are eight fish per tank and fifty-six fish in all. How many tanks are there?
☐ a) 9 ☐ b) 6 ☐ c) 5 ☐ d) 7
4. Each turtle lays three eggs. There are twenty-seven eggs in all. How many turtles laid the eggs?
☐ a) 9 ☐ b) 8 ☐ c) 7 ☐ d) 6
5. Each chimp eats five bananas. Forty-five bananas are eaten in all. How many chimps are there?
☐ a) 7 ☐ b) 9 ☐ c) 8 ☐ d) 5
6. Each lizard eats nine flies for breakfast. A total of seventy-two flies are eaten. How many lizards are there?
☐ a) 7 ☐ b) 9 ☐ c) 8 ☐ d) 6
7. Six hermit crabs cost eighteen dollars. How much does each crab cost?
☐ a) 4 ☐ b) 5 ☐ c) 2 ☐ d) 3

Colorful Plants: Practicing Fractions

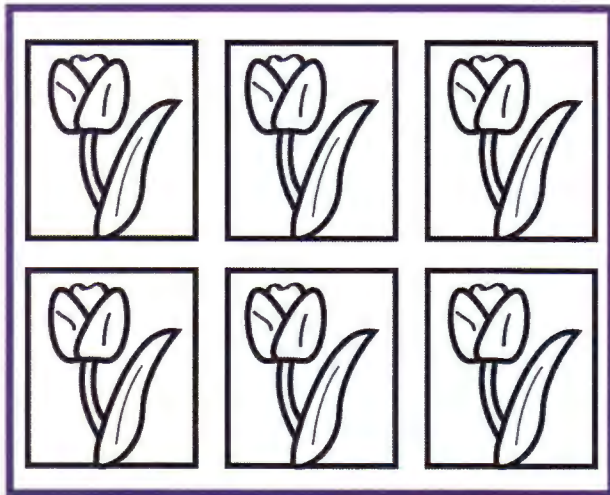
Color in the flowers and fruits according to the description below.



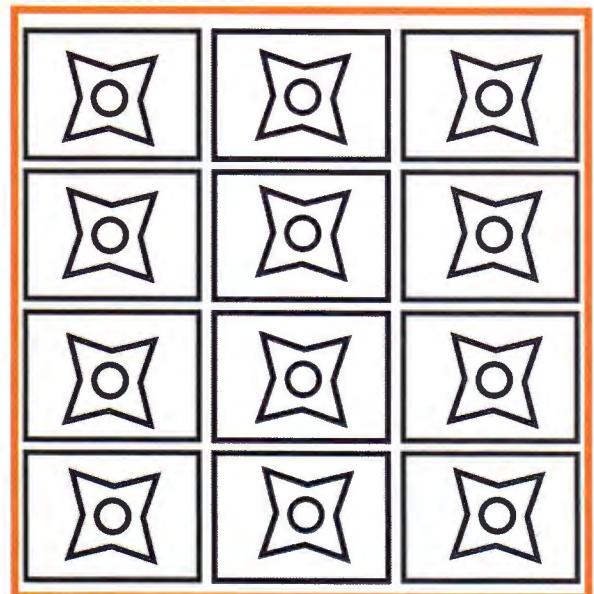
One-third are red flowers.
Two-sixth are in pink.
Three-ninth are in blue.



Two-fourths of the apples are green.
Two-fourths of the rest are red.
What is left are black.



Two-thirds of the tulips are orange.
One-sixth are in pink.
The rest are red.



One-third are red flowers.
One-fourth are in pink.
Half of the rest are in purple.

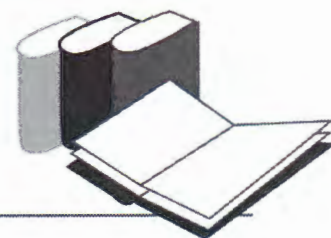
How Many?

Answer the fraction questions below. Don't forget to show your work.

There are 20 trees in the park and two-fifths are apple. How many apple trees are there?



There are 12 books on the bookshelf. One-third are about history. How many history books are there?



Out of 24 people, three-fourths love fruit punch. How many people love fruit punch?



I have 35 sandwiches and two-sevenths of them are peanut butter and jelly. How many sandwiches are peanut butter and jelly?



Challenge

The 100 passengers on this train are going to New York City. One-fifth are going to see the opera, and the rest are going to see the game. How many passengers are going to see the game?



Finding Factors

Factors are numbers that you multiply together to get another number.
For example, 2 multiplied by 4 equals 8. So 2 and 4 are the factors of 8.

Find the factors of the numbers below. See the example.

$10 = 2 \times 5$

$18 = \underline{\hspace{2cm}}$

$24 = \underline{\hspace{2cm}}$

$30 = \underline{\hspace{2cm}}$

$32 = \underline{\hspace{2cm}}$

$39 = \underline{\hspace{2cm}}$

Find the missing factors.

$15 = 3 \times \boxed{\hspace{1cm}}$

$21 = 3 \times \boxed{\hspace{1cm}}$

$45 = 9 \times \boxed{\hspace{1cm}}$

$42 = 7 \times \boxed{\hspace{1cm}}$

$36 = 2 \times 2 \times 3 \times \boxed{\hspace{1cm}}$

$60 = 2 \times 3 \times 2 \times \boxed{\hspace{1cm}}$

$75 = 5 \times 3 \times \boxed{\hspace{1cm}}$

* When the factor is a prime number, it is called a prime factor.



Long Division

1 Digit Into 3 Digit Numbers - No Remainders

Name: _____ Date: _____

(1)

$$\begin{array}{r} 61 \\ 9 \overline{) 549} \\ \underline{54} \\ 9 \\ \underline{9} \\ 0 \end{array}$$

(2)

$$3 \overline{) 225}$$

(3)

$$2 \overline{) 134}$$

(4)

$$8 \overline{) 488}$$

(5)

$$6 \overline{) 168}$$

(6)

$$7 \overline{) 364}$$

(7)

$$5 \overline{) 135}$$

(8)

$$4 \overline{) 236}$$

(9)

$$9 \overline{) 432}$$

(10)

$$3 \overline{) 258}$$

(11)

$$7 \overline{) 238}$$

(12)

$$4 \overline{) 388}$$

Long Division

1 Digit Into 3 Digit Numbers - No Remainders

Name: _____ Date: _____

(1)

$$9 \overline{) 468}$$

(2)

$$2 \overline{) 168}$$

(3)

$$4 \overline{) 276}$$

(4)

$$7 \overline{) 259}$$

(5)

$$8 \overline{) 376}$$

(6)

$$5 \overline{) 255}$$

(7)

$$3 \overline{) 186}$$

(8)

$$6 \overline{) 528}$$

(9)

$$2 \overline{) 128}$$

(10)

$$4 \overline{) 212}$$

(11)

$$9 \overline{) 585}$$

(12)

$$7 \overline{) 581}$$



DIVISION

WORD PROBLEMS



1. Billy receives \$15 every month for allowance. He puts \$7 of his allowance into a piggy bank until his piggy bank has \$119. How many months has he been saving part of his allowance?
2. Miss Amy collected \$6 each from her students for their upcoming field trip. If all of her students went on the field trip she would collect \$192. How many students are in Miss Amy's class?
3. Mr. Chong is also planning for his class to go on the same trip. He collects \$6 from each of his students too, but one of his students could only pay \$3 making his total \$219. How many students are in his class?
4. Kari gets \$20 every week for lunch money. She sets aside \$2 every school day. How many weeks did it take for her to save up \$65?
5. Susan is selling raffle tickets for \$4. She collects a total of \$284. How many tickets did she sell?



Dancing with Division

1.) $192 \div 8 =$

2.) $288 \div 9 =$

3.) $270 \div 54 =$

4.) $186 \div 31 =$

5.) $540 \div 12 =$

6.) $144 \div 2 =$

7.) $660 \div 22 =$

8.) $576 \div 6 =$

9.) $301 \div 7 =$

10.) $255 \div 17 =$

11.) $162 \div 9 =$

12.) $264 \div 33 =$

13.) $423 \div 47 =$

14.) $144 \div 12 =$

15.) $336 \div 16 =$

16.) $266 \div 14 =$